

SYSTEM AND METHOD FOR  
USING A WIRELESS ENABLED PORTABLE  
COMPUTER SYSTEM AS A WIRELESS MODEM

ABSTRACT OF THE INVENTION

- 5           A method and system for using a wireless enabled portable computer system as a wireless modem. The portable computer system may be a personal digital assistant (PDA) having an internal wireless modem. The internal wireless modem, e.g., GSM radio, contains a communication port (port2) that communicates with a processor of the portable computer system.
- 10   The portable computer system also contains another communication port (port1) that is externally available for connection to a second computer system. A software bridge is provided that copies commands and/or data from the port1 over to the port2 and vice-versa. The software bridge allows the second computer system to directly use the internal wireless modem of the portable
- 15   computer system when the portable computer system is connected to the second computer. The connection to the second computer system can be made by a wired connection (e.g., serial interface, RS232) or by a wireless connection, e.g., Bluetooth or infra-red communication. The port1 and the port2 can be serial communication ports which may be UART compliant. The PDA
- 20   thus extends wireless functionality to a second computer system (e.g., a notebook) using conventional connection mechanisms for communicating with the second computer system.